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Review - Plants: An Introduction to Modern Botany

REVIEWS

Biological Science For High School. Wm. H. Gregory and Edward H. Goldman, and Company 1965.

This book is aimed for the beginning student of biology. The authors have attempted to keep the content up-dated, and the covrage reasonably complete since insufficient coverage often leads to frustrations. Many students terminate their studies of science with biology, and with this in mind, the authors feel that this book will assist students in recognizing the contributions of biology to modern life.

The Biotic World and Man. Lorus J. Milne and Margery Milne. 3rd Edition, Prentice-Hall, Inc..1965.

Complimentarity of structure and function is the general theme throughout this text. Anothr important aspect of the text is found in the extent to which vocabulary enters into a person's activities, including biology, and understandings in the form of operational definitions. Effort is taken to separate facts from interpretations; even in the use of diagrams and photographs.

General Chemistry: A Systematic Approach. H. H. Sisler, et., al., MacMillian Co., 1959.

The authors have as their goal the offering of a sound and balanced foundation in general chemistry on a logical inductive basis. They have presented a clear, interesting and thoroughly teachable treatment of the fundamental principles of chemistry, with lucid explanations and ample illustrative materials. The underlying principle is the structural basis of the properties of mater. Here is a text that attempts to assist the teacher towards more effective teaching through developing understandings based upon a clear conceptual picture of the fundamental principles of chemistry.

The Microbial World. 2nd Edition, Roger Stainer, et., al., Prentice-Hall, Inc. 1963

A brief review of the concepts of biology pertinent to an understanding of microbiology is among the first chapters of this book. Extensive reading lists following each chapter further enhance the value of this book. This book is useful for those students embarking upon the study of microbiology with a limited background in biology.

The Hydrogen Bond. G. C. Pimentel and A. L. McClellan, W. H. Freeman and Copany, 1960.

The results of an examination of more than 3,000 original referances are compiled in this work. The nature of the H bond and its influences on chemical properties, is given extensive treatment. The information for those in the field of chemistry.

Intrduction to Physics and Chemistry. Arthur Beiser and Konrad Krauskopf. McGraw-Hill Co..1964.

The atom is treated in some detail; the structure and behavior of matter approached from an atomic viewpoint.

This text is an attempt to present physics and chemistry together. as parts of the same story, for students with little or no prior experience in these areas. No attempt is made to prepare the reader for advanced work. Problem-solving is subordinated to the development of the methods of science and how they are used to study the natural world.

Plants: An Introduction to Modern Botany. V. C. Greulach and Edison Adams. John Wiley and Sons, Inc. 1962.

This text is written for the general botany course. It is the desire of the authors to have a student obtain a general background in botany as well as assisting the instructor in stimulating interest in this field Vascular plants receive the most attention and emphasis, with the non-vascular plants being briefly mentioned. Generally, the text is of assistance to the teacher in developing understanding of the scope and diversity of plant life. Mention is also made of current research in the field.